

Investigation of Conversion Lines in the ~~S~~-Spectrum
of a Eu^{152} - Eu^{154} Mixture, by V. M. Mel'man, V. A.
Romanov, R. Ya. Metakherishvili, V. A. Kolimov,
7 pp. ^{VAR}

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Vol XXXII, No 1, Jan 1957, pp 39-47.

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Sci - Phys
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The Determination of Internal Conversion Ratios
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Kel'man, R. Ya. Metakhvarishvili, V. A. Romanov, L. I.
Rusinov, K. A. Konoplev, 3 pp.

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No 3, pp 394-

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AEC Tr 3511

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Doklady Akademii Nauk Sssr, vol. 68, 1949,
pp. 681-684; 2 figures, 1 table, 2100 words.

On the Causes Underlying the Effect of Molybdenum on the Kinetics of Isothermal Austenite Decomposition.

Brutcher Trans, Order No. 2441, \$3.90

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~~ENTIN, R. I.~~

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A 7853
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CIA 1007665

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Archiv Eisenhüttenwesen, vol. 15, 4 figures,
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Brutcher Trans, Order No. 1350 \$5.75

A 7854

(NY-5233)

On the Problem of Attenuation Control in
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The Mechanism of Losses on a High-Frequency
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pp 163-225
CSIRO/No. 7866

D. Mettin

Sci -
Aug 67

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Metzler, E.
GENERAL THEORY OF THE STABILITY OF
FORCED OSCILLATIONS OF ELASTIC BODIES
(Allgemeine Theorie der Stabilität Erzwungener
Schwingungen Elastischer Körper). [1962] 75p.
17 refs.

Order from SLA \$7.60

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p. 418-449.

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Stability, Equations of motion, Integration, Series.

The stability of elastic motion is analyzed by intro-
ducing into the variational equation a Ritz expression
with time-dependent coefficients and then setting up
the resulting differential equations for the coefficients.

(Mechanics, v. 1, no. 8)

62-18058

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C223243

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The Load-Bearing Capacity of Circular Road Supports, by E. Mettler.

GERMAN, per, Schlege und Eisen, No 10/11, 1951, pp 3-7.

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College Park, Md.

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Sci - Chem

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On the Conclusion of Brezhnev's Visit to Yugoslavia,
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Determination of the Induced Radioactivity in the
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A. D. Sokolov,

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Raman-Spectrum Investigation of Alkylgermanium
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Their Chemical Behavior, by M. I. Batuyev, V. A.
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9 pp.

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The Change in the Functional Mobility of the
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N. I. Bobrov, N. I. Matusov, 5 pp.

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JPRS 2443

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Z. Votava, 13 pp.

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No 47, 20 Nov 1959, pp 1452-1456.

JPRS 2465

Sci - Med
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The Parasympathomimetic and Spasmolytic Effect
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I. Metyahova-Shramkova, 4 pp.

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Adsorptional-Kinetic Method of Determining Bond
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No 12, 1959, pp 2253-2254.

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~~RUSSIAN, per, Izvest. Vses. soob. sov. nashch.~~
~~tekh., Vol 4, 1963, pp 123-126.~~
NII Ref: RIS 4065

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The Pharmacology of Sulfonium Anti-Spasmodics. Changes of Pharmacological Properties Following Introduction of an Alpha-Hydroxyl Group, by Z. Votava, Ya. Metyah, I. Sramkova, M. Vanecek, 6 pp.

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Consultants Bureau

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Jul 58

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Instruments, by A. Metz.
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pp 174-176.
BISI 4930

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A. Metz

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Eci - Methods and Equipment
Dec 66

Physiological Studies of Workers in the
Sahara Desert, by B. Metz.
FRENCH, rpt. Jounneon Information Med. Sociales
Sahariennes, 1959, pp 113-122.
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U. S. GOVERNMENT USE ONLY

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Interior Plaster Made From Synthetic Anhydrite,
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GERMANY, per. Baugewerbe, No. 2, 1962, pp 3
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K. metz

Sci -
Aug 67

337-120

Metz, L. and Rödfig, A.
~~CAUSE AND COURSE OF SPONTANEOUS DECOMPO-~~
~~SITION OF TRICHLOROETHYLENE BY ALUMINIUM.~~
4 Oct 50, 6p. (table omitted) 12 refs.
Order from SLA \$1.10

62-18424

Trans. of Chemie-Ingenieur-Technik (West Germany)
1949 [v. 21] May, p. 191-193.

DESCRIPTORS: *Vinyl chlorides, *Aluminium, *Chemical reactions, Aluminium alloys, Cleaning fluids, Explosive forming, *Inhibition, Decomposition.

The $AlCl_3$ developed first of all catalyzes the trichloroethylene condensation. The heat liberated produces total de-chlorination of the condensation product and complete oxidation of the aluminium shavings. The use of non-hazardous tetrachlorethylene in the future is suggested. (Author)
(Engineering--Chemical, TT, v. 9, no. 6)

62-18424

I. Metz, L.
II. Rödfig, A.

228037

Office of Technical Services

Production of Steel From High Phosphorus Pig Iron
by Top Blowing of Oxygen With Lime Powder, by
P. Mats, et al. UNCL

GERMAN, per, Stahl u Eisen, 7 Jan 1960, pp 20-27.

BISI 1576

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Sci - Min/Met

Mar 60

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(FDD 21101)

The Cause and Progress of the Spontaneous Decomposition
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Dr. L. Metz, A. Roedig, 10 pp.

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EUR - Germany
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Contribution to the Study of Dolomite Refractories
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FRENCH, per, Rev Univ Mines, Vol IX, No 12, 1953,
pp 809-831.

British Iron and Steel Ind
(no number given)

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British Iron and Steel Ind
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Sci - Engr
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Production of steel from High Phosphorus pig iron
by top blowing of oxygen with lime powder, by P. Metz.
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CRL/T. 1547x

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Sci -
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Order from SLA \$4.60 63-18088

Trans. of Zeitschrift für Angewandte Physik (West
Germany) 1962, v. 14, no. 7 [p. 412-424].

DESCRIPTORS: *Magnetic properties, *Magneto-optic
effect, *Alloys, Iron alloy, Nickel alloy, Anisotropy,
Magnetism, Ferromagnetic materials, *Magnetic
materials.

The report shows which kind of magnetizing processes
occur in the area of the total layer under the influence
of slowly increased fields of arbitrary direction and
what coercitive force they possess and what factors de-
termine the various processes. (Author)

(Physics--Magnetism, TT, v. 10, no. 9)

63-18088

I. Metzdorf, W.

3349593

Office of Technical Services

Methods For the Automatic Tuning of Broadcast
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GERMAN, per, Nachrichtentechnik, Vol VIII, No 7,
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Sci - Electronics

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1,2,4-Triazines. Communication I. The Synthesis
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GERMAN, per, ~~Chem~~ Ber, Vol LXXXVII, pp 1540-1543,
1954.

ASLIB-GB2

Sci - Chem
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1,2,4-Triazines. Communication II. The Synthesis of
and Trialkylsubstituted and Alkylarylsubstituted
1,2,4-Triazines, by R. Metze.

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1955.

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Sci - Chem
Aug 58

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40 pp.

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No 1, 1960, pp 1-42. (Call No. G9 M58)

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Combustion of Ethylene Oxide Using Silver
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UNKNOWN, I. G. Farbenindustrie Rpt No 1542,
1938, 10.1.

SLA 57-2634

Sci -
Aug 58

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Metzger, A. Kelchner, G. and Gennert, M.
STUDIES ON THE TETRAPROPYLENEBENZENES.
[1960] 20p. 9 refs.

Order from SLA m\$2.40, ph\$3.30

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Trans. of Fette Seifen Anstrichmittel (West Germany)
1959, v. 61, no. 11, p. 1131-1138.

It is shown that the tetrapropylenebenzenes contain isomer mixtures. Through investigating the behavior of alkylbenzenes to various sulfonating agents, the ratio of the isomers in the mixture is determined. The results lead indicate that there is no marked difference between the fractions which can be sulfonated and those which cannot be sulfonated. (Author)

(Chemistry--Organic, TT, v. 5, no. 2)

60-18501

- I. Benzenes--Properties
1. Metzger, A.
- II. Kelchner, G.
- III. Gennert, M.

Office of Technical Services

Measurements on the Expansion of Refractories at
High Temperatures, by C. Metzger, H. E. Schwiete.
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Sci -
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Effect of Shortcircuit Automatic Switching
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Z., No 100, 1958, pp 237-239 .

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Sci - Elektron
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The Determination of the Molecular Weight
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Metzger.

SALES, per, Salvation Physics Act, Vol 16, 703
1943, pp 323-42.

ATS-88806

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Analysis of an Ion Source With 60 KV Acceleration
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AEC UCRL-Trans-581(L)

Sci - Phys
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Photo-Nitrosation and Oximation of Saturated
Hydrocarbons, by Eugen Muller, H. Metzger, 26 p.

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Deutschen Demokratischen Republic, 17 Jul 1959,
Berlin, pp 120-123.

FDD Sum 2469

Eur - Germany

Econ - Foreign Trade

Feb 60

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The Curare-like Action of Some
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J. Metzger, H. Kuhn.

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1957, pp. 27-33.

NTC 69-11771-060

J. Metzger

Sci-B&M
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The Development of Catalysis for the Oxidation of Ethylene to Ethylene Oxide by Means of Atmospheric Oxygen, by K. Metzger, 53 pp.

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Laboratory Rpt, No. 592, 12 Dec 1938.

SLA 57-2623

Sci

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Contribution to the Optical Examination of Flat
Glass in Reflected Light, by Konrad Metzger, 13 pp.

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pp 296-299.

SLA 59-10928

Sci - Phys
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Vol 2, No 1

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Mica Paper "^{A/T}Stolica," by H. George, L. Metzger, 21 pp.

FRENCH, per, Rev Gen Elec, Vol LIX, No 12, Dec 1950,
pp 519-524.

SLA 58-293

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57-2632. Decomposition of ethylene oxide on
silver catalysts. I.G. Farbenindustrie Report no.
1541, p.26, 1938. (12p.)

Metzger, K.
OLD AND NEW LEHRS FOR HOLLOW GLASS.
[1963] 23p. (figs. omitted).
Order from SLA \$2.60

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Trans. of Glastechnische Berichte (Germany) 1932,
v. 10 [no. 8] p. 411-420.

DESCRIPTORS: *Glass, *Furnaces, Annealing,
Design, Operation, Fuel consumption.

(Materials--Ceramics, TT, v. 10, no. 5)

63-14505

I. Metzger, K.

A242706

Office of Technical Services

METZGER, K.

57-2634. Combustion of ethylene oxide using
silver catalysts. I.G. Farbenindustrie Report no.
1542, 10.1, 1938. (8p.)

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57-2623. The development of catalysts for the oxidation of ethylene to ethylene oxide by means of atmospheric oxygen. Laboratory report, no.1592, December 12, 1938, (53p.)

Lysozyme Activity of Rabbit Sera and Testicular
Juice During the Development of Syphilitic
Lesions, by Mieczyslaw Metzger, 7 pp.

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OTS 63-11410/4
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A. Observations on Phenomena of Identity, by W.
Meissner, 70 pp.

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Sci - Phys

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An Important New Publication in the Field of
Cybernetics, by Helmut Metzler, 5 pp.⁴

GERMAN, per, Einheit, No 1, 1962.

FBIS Wire

EEur - Germany
Sci - Misc

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Some Tasks of Professional Training in the
Chemical Industry, by Klaus Lademann,
Herbert Metner, 7 pp.
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No 16, Aug 1964, pp 385-387.
JPRS 26821

EE-Germany
Econ
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Optical Behaviour of Plant Tissue in Long-
Wave Ultraviolet Light, by P. Metzner.

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Aug 63

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Progress of Large-Scale Chemical Synthesis in
Poland, by Alfons Metzner, 11 pp.

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Mar 1954, pp 115-119, Encl to Report No
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AFDIN 1A1

AF 728089

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Scientific - Chemistry
Ebur - Poland
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May 56 CFB/DEX

Metzner, Roland, Scheer, Max-Martin, and
Scholze, Horst.

A RAPID QUANTITATIVE BORON DETERMINATION
IN GLASSES WITH THE AID OF THE ABSORPTION
OF NEUTRONS (Eine Schnelle Quantitative
Borbestimmung in Gläsern mit Hilfe der Absorption
von Neutronen). [1962] [16]p. (foreign text included)
8 refs.

Order from SLA \$1.60

62-10935

Trans. of Glastechn[ische] Ber[ichte] (West Germany)
1958, v. 31, no. 7, p. 257-260.

DESCRIPTORS: *Glass, *Boron, Neutron absorption,
Thermal neutrons, Determination.

A nuclear physical measuring procedure is given,
which permits a comparatively rapid and simple
quantitative determination of the B_2O_3 content of
glasses with the aid of neutron absorption in the boron.
(Materials--Ceramics, TT, v. 8, no. 6) (over)

62-10935

- I. Metzner, R.
- II. Scheer, M.-M.
- III. Scholze, H.

C222772

Office of Technical Services

Choice of Solvents for the Distribution Between
Two Liquid Phases, by F. A. von Metzsch.

GERMAN, per, Angew Chem, 1953, Vol LXV, No 23,
pp 586-598.

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Sci - Chem

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CHOICE OF SOLVENTS FOR THE DISTRIBUTION BETWEEN
TWO LIQUID PHASES, BY F. A. METZSCH.

GERMAN, PER, ANGEWANDTE CHEMIE, VOL LXV, NO 23,
1953, PP 586-598.

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SCI - CHEM

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Aug 62, pp 278-279.

JPRS: 15,227

EEur-Germany
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(a) The History of the 22nd Infantry Division.
(b) Conquest of the Islands of Kos, Kalymnos, Leros,
Samos by the Mueller Task Force, by Friedrich-August
von Matsch. UNCLASSIFIED

GERMAN, bk, The German Division 1939-1945, pp 7, 8,
56-60.

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ESur - Germany
Mil
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Shorey Electro Galvanizing Plant
W. W. Shorey

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Contribution to the Study of the Electrical Properties
of Glasses Used in the Construction of Radio Tubes (1),
by P. Meunier, 33 pp.

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pp 54-67.

ARM/FSTC/INT-23-2444-69

P. MEUNIER

Sci/Elect

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The Determination of Nitrogen in Organic Compounds by Hydrogenation, by H. ter Moulen.

FRENCH, per, Bulletin de la Societe Chimique de Belgique, Vol XLIX, 1940, pp 103-122.

Dept of Int
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Petroleum Exper Sta Lib
Bartlesville, Okla. No 56

Sci - Chem
May 59

SLA 58-90

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Blood-Group-Specific Antierythrocyte Auto-
antibodies, by H. G. Mueli, 13 pp.

W. 270.1
GERMAN, per, Blut, Vol III, N 1957, pp 270-
275.

NIK 12-4

Sci - Med

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EURATOM -- Analysis of and comments on the Treaty,
by J. Errera, E. Symon, J. van der Meer, L.
Vernaeye, 260 pp. UNCLASSIFIED *des Neutrons*

FRENCH, bk, Euratom-Analyse et Commentaires du
Traite, Brussels, 1958, pp 1-309.

(DC-1743)

US JPRS/DC-177

World Wide
Western Europe - France

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Sci - Atom Energy

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Requisitioning of Civilian Hospitals by the
Army Medical Service, by H. Mauli, 28 pp.

GERMAN, Reprint from "Veska-Kurs 1953."

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H. Neumann

The Dynamic of Tire Cords with Alternating
Tensile Stress, by H. Neumann.

GERMAN, per, Faserforschung und Textiltechnik,

GERMAN, [REDACTED]
Vol 11, No 9, 1960, pp 144-156.
NTC 71-14177-11E

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Some Safety Problems of a Reactor Fitted With
Pressure Tubes, by A. Munier, R. Boche, et al.,
22 pp.

FRENCH, per, Bulletin Informations Scientifiques et
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Sci - Nucl Sci

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Physics of Radiation Emission From a Light Water
Reactor, by Yves Droulers, Claude Neunier. 84
FRENCH, rpt. 1964. 9233291
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Sci/Physics
Aug 64

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The Desulphurization of Basic Bessemer Iron and
the Dephosphorization of Basic Bessemer Steel by
Soda Slags, by F. Meunier. URCL

French, per, Rev Met, Vol XLIX, Dec 1952, pp 876-
882.

British Iron and Steel Ind
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Sci - Min/Met
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98,284

Simultaneous Desulphurization and Decoxidation in the
Basic Converter, by F. Meunier, C. Soisson. UNCL

FRENCH, per, Rev Met, Aug 1955, pp 589-595.

British Iron and Steel Ind
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Sci - Min/Mat
Sep 59

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DESCRIPTORS: *Welds, *Steel, Fracture (Mechanics),
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DESCRIPTORS: *Welds, *Steel, Fracture (Mechanics),
Cases, *Hydrogen, Chemical precipitation.

If hydrogen or reducing gases rich in hydrogen are
present during welding, hydrogen atoms

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times greater than those which the metal normally holds in solution at room temperature; Upon cooling, supersaturation will cause precipitation of hydrogen in all discontinuities of the metal (intergranular joints, inclusions, pores, etc.) where it recombines into the molecular insoluble form producing local pressure which may be considerable; The combination of stresses resulting from the pressure of these gas pockets, from thermal contraction and possible martensitic transformation of these semi-special steels may produce permanent deformation and rupture; Localization of these cracks and the fact that they may be eliminated by drying the coating suggests that hydrogen is the principal cause.

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